

Work Order ID 155916

Wednesday, January 18, 2017 7:43:08 AM

155916

Page 1

Item ID: D5311-7

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Prop Rod

Start Date: 2/1/2017

Start Qty: 12.00

12

Cust Item ID:

Required Date: 2/1/2017

Req'd Qty: 12.00

12

Customer:

Reference:

Approvals:

Process Plan:

DAS

21

9-89

Date: JAN 20 2017

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool # Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5311

B

110

0.00

110

Small Fab

Memo

0.20

Small Fab

1- CUT AT 12.00"

2- PUNCH ONE END AS SPEC CONTROL DWG (SEE NOTE8)

3- TRIM OFF EXCESS MAT'L AS PER DWG.

12

FF

JAN 26 2017

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.04

Quality Control

12

d

DAS
38
9-89

JAN 26 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :						
Misidentified ☐	Past Due ☐							

Wednesday, January 18, 2017 7:43:08 AM

155916

Page 2

N900040100

Setup Start *NS1*

Stop ***NS2***

12

Cust Item ID:

12

Customer:

Run Start *NR1*

Stop ***NR2***

Date:

Insp. Stamp

0.00

121

0.30

b. 17-02-02

12

DAS
08
9-89

Memo

MILL AS PER DWG AND FOLIO FB503

FOLIO REV: AA

DWG REV: 8

DEBURR

0.00

122

0.04

B. e 17-02-02

12

①

DAS
08
9-89

QC

Memo

Quality Control

0.00

1 23

0.04

QC8- Inspect parts - second check

Memo

Quality Control

12

08

DAS
14
9-89

17/02/04

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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				Lead hand / Supervisor Approval Verification	
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Work Order ID 155916

Wednesday, January 18, 2017 7:43:08 AM

155916

Page 3

Item ID: D5311-7

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Prop Rod

Start Date: 2/1/2017

Start Qty: 12.00

12

Cust Item ID:

Required Date: 2/1/2017

Req'd Qty: 12.00

12

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: WA01

0.00

130

Packaging

Memo

0.02

Packaging

WA1

12 12 17-27

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.20

Quality Control

17/2/89

FEB 07 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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OTHER : _____					

Picklist Print

Tuesday, January 17, 2017 2:10:29 PM

Page 1

Work Order ID: 155916

155916

Parent Item: D5311-7

D5311-7

Parent Item Name: Prop Rod

Start Date: 2/1/2017

Required Date: 2/1/2017

Start Qty: 12.00

Required Qty: 12.00

Comments: IIN REV:A 16.02.10 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TR0.750W.049		Purchased					f	89.7292		12.63158			

M304TR0 750W 049

304 RD Tube .750 x .049W

JAN 26 2017

Location

Loc Qty

Loc Code

GA002 **136667**

89.7292251

M134528

30.2105266

M134824

4.8478935

M135093

1.905367

M135242

26.0494815

M135373

26.590643

M135709

0.0790537

M135857

0.0003668

M136323

0.045893

7.368422

5.263150

DQA: _____ Date: _____

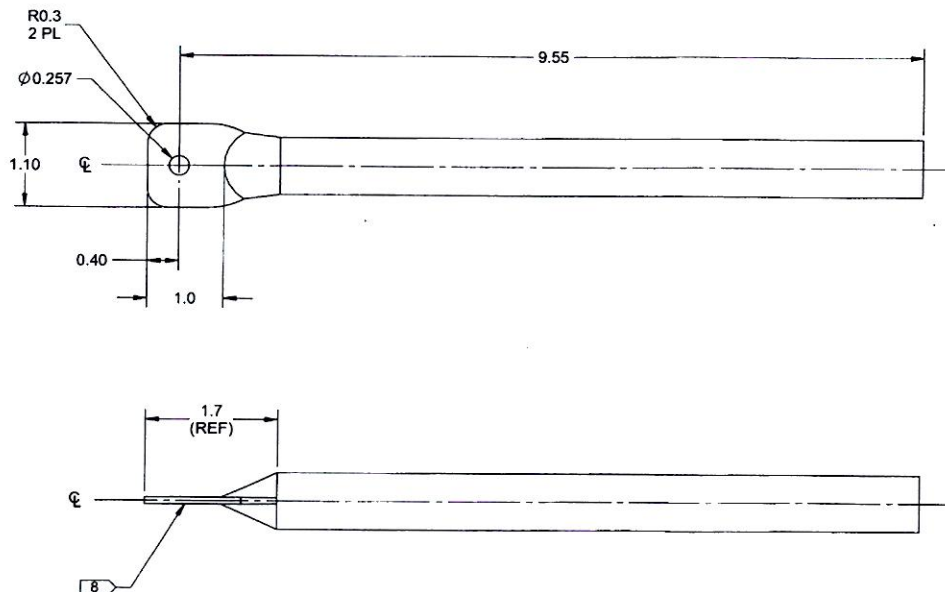


WORK ORDER NON-CONFORMANCE / UPDATE

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OTHER : _____					



D5311-7 PROP ROD

NOTES:

- 1) MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING
PER ASTM A276 OR ASME SA213 OR ASTM A269
REF DART SPEC M304TR0.750W.049
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.35 lbs
- 8) PUNCH END USING TOOL NUMBER DT8117. TRIM, DRILL NEW HOLE AND FORM CORNERS AS REQUIRED

RELEASED
2016-04-18

APPROVED

DESIGN	AK	DART AEROSPACE LTD	
DRAWN	AK	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CC	DRAWING NO.	REV. B
MFG. APPR.	DD	D5311	SHEET 5 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	ENGINE COWL SWIVEL PROP ROD	NTS
DATE	16.02.17	COPYRIGHT © 2015 BY DART AEROSPACE LTD	
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